III. ABSTRACT

A viewing system is presented in which both a remotely located video camera and a separate video display each incorporate an electronic compass. An electronic circuit calculates the difference between the two compass headings and displays a relative direction indicator on the display. The indicator can thus display the viewing direction of the camera relative to the viewing orientation of the display. This is especially useful in determining the viewing direction of a non-stationary remote camera in applications where the display is also non-stationary, such as in underwater viewing applications where the camera is suspended by a cable beneath a boat, and the display is located within the boat.